BRUHATH BENGALURU MAHANAGARA PALIKE

Rajarajeshwari Nagara Project Division, RR Nagar Zone

Name of Work:-Repair and Painting For Toilet and Special Repairs to Rock garden at J.P Park in ward No.17.

Estimate Cost(Rs.): 2500000.00

Sl No.	Description of work	Unit	No	L(m)	B(m)	D(m)	Qty	Rate in Rs	Amount in RS
1	Dismantling burnt brick masonry in clay mortar/lime mortar/cement mortarand stacking the bricks within a radius of 50m and removing the debris to a distance upto 200m.P.273,I.37.47.								
	BR+6%	114.00	6.84	120.84	Cum				
	For Main gate Toilet		2	1.60	2.10		6.72		
	For Opp to Rock Garden		2	1.60	1.90		6.08		
							12.80	120.84	1547.00
2	Dismantling the tile work in floor and roof laid in cement or surki mortar including stacking the materials with in 50 m lead of tiles thickness 10mm to 25mm. P.273,I.37.51								
	BR+6%	40.00	2.40	42.40	Sqm				
	For Opp to Rock Garden Toilet. Flooring		1	2.80	2.40		6.72		
			2	1.70	1.10		3.74		
			1	2.35	2.00		4.70		
			2	0.80	1.00		1.60		
			1	2.00	1.70		3.40		
			1	5.20	1.70		8.84		
	For Main Gate Toilet.		1	2.80	2.40		6.72		
			2	1.70	1.10		3.74		
			1	2.30	2.00		4.60		
			2	0.80	1.00		1.60		
			1	1.60	1.80		2.88		
			1	2.50	5.50		13.75		
							62.29	42.40	2641.00
3	Dismantling the tile work in floor and roof laid in cement or surki mortar including stacking the materials with in 50 m lead of tiles thickness 10mm to 25mm. P.140,I.16.31								
	BR+6%	426.00	25.56	451.56	Sqm				
	Wall For Opp to Rock Garden Toilet.		1	13.00		1.00	13.00		
			1	13.00		1.00	13.00		
	For Main Gate		1	13.00		1.00	13.00		
			1	13.00		1.00	13.00		
							52.00	451.56	23481.00
4	Removing of existing old or broken wash basin / urinals anddisposing it with all cost and conveyance labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the workP.141,I.16.41								
	BR+6%	115.00	6.90	121.90	Each				

	Wall For Opp to Rock Garden Toilet.		4				4.00		
	For Main Gate		4				4.00		
							8.00	121.90	975.00
5	Removing of existing old or broken Water closet Indian / Eurpoean and disposing it with all cost and conveyance labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work. P.141,I.16.42								
	BR+6%	138.00	8.28	146.28	Each				
	Wall For Opp to Rock Garden Toilet. Closet		4				4.00		
	For Main Gate		4				4.00		
	Urinals Main Gate		6				6.00		
	Opp Rock garden		6				6.00		
							20.00	146.28	2926.00
6	Removing of existing old Sanitary and plumbing pipelines, stacking and disposing it with all cost and conveyance labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc.,complete as per specification and directions of the Engineer-in-charge of the work. P.141,I.16.43								
	BR+6%	46.00	2.76	48.76	m				
	Wall For Opp to Rock Garden Toilet.		4	12.00			48.00		
	For Main Gate		4	8.00			32.00		
							80.00	48.76	3901.00
7	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms). P.273,I.37.51								
	BR+6%	40.00	2.40	42.40	Sqm				
	For Opp to Rock Garden Toilet. Flooring		1	2.80	2.40		6.72		
			2	1.70	1.10		3.74		
			1	2.35	2.00		4.70		
			2	0.80	1.00		1.60		
			1	2.00	1.70		3.40		
			1	5.20	1.70		8.84		
	For Main Gate Toilet.		1	2.80	2.40		6.72		
			2	1.70	1.10		3.74		
			1	2.30	2.00		4.60		
			2	0.80	1.00		1.60		
			1	1.60	1.80		2.88		
			1	2.50	5.50		13.75		
							62.29	42.40	2641.00
8	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth,compacting each deposited layer by ramming after watering with leadupto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. P.6,I.2.10								
	BR+6%	94.00	5.64	99.64	Cum				

	For Opp to Rock Garden Toilet. Flooring		1	2.80	2.40	0.20	1.34		
			2	1.70	1.10	0.20	0.75		
			1	2.35	2.00	0.20	0.94		
			2	0.80	1.00	0.20	0.32		
			1	2.00	1.70	0.20	0.68		
			1	5.20	1.70	0.20	1.77		
	For Main Gate Toilet.		1	2.80	2.40	0.20	1.34		
			2	1.70	1.10	0.20	0.75		
			1	2.30	2.00	0.20	0.92		
			2	0.80	1.00	0.20	0.32		
			1	1.60	1.80	0.20	0.58		
			1	2.50	5.50	0.20	2.75		
							12.46	99.64	1241.00
9	KSRB 2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m.and above in width, in hard soil not exceeding 1.5m.in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No.								
	BR+6%	211.00	12.66	223.66	Cum				
	for path way		1	31.00	2.50	0.30	23.25		
	for tank wall		2	1.50	1.50	1.00	4.50		
	Rock Garden		1	65.00	0.60	0.90	35.10		
	main gate toilet		1	34.00	0.60	0.90	18.36		
							81.21	223.66	18163.00
10	Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications.P.12,I.4.2								
	BR+6%	4164.00	249.84	4413.84	Cum				
	For Opp to Rock Garden Toilet. Flooring		1	2.80	2.40	0.15	1.01		
			2	1.70	1.10	0.15	0.56		
			1	2.35	2.00	0.15	0.71		
			2	0.80	1.00	0.15	0.24		
			1	2.00	1.70	0.15	0.51		
			1	5.20	1.70	0.15	1.33		
	For Main Gate Toilet.		1	2.80	2.40	0.15	1.01		
			2	1.70	1.10	0.15	0.56		
			1	2.30	2.00	0.15	0.69		
			2	0.80	1.00	0.15	0.24		
			1	1.60	1.80	0.15	0.43		
			1	2.50	5.50	0.15	2.06		
	for path way		1	31.00	2.20	0.15	10.23		
	for sump tank		1	2.00	2.00	0.15	0.60		
	for tank wall		2	1.50	1.50	0.15	0.68		

							20.85	4413.84	92022.00
	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. P.12,I.4.6								92029.00
	BR+6%	4425.00	265.50	4690.50	Cum				
	For Opp to Rock Garden Toilet. Flooring		1	2.80	2.40	0.075	0.50		
			2	1.70	1.10	0.075	0.28		
			1	2.35	2.00	0.075	0.35		
			2	0.80	1.00	0.075	0.12		
			1	2.00	1.70	0.075	0.26		
			1	5.20	1.70	0.075	0.66		
	For Main Gate Toilet.		1	2.80	2.40	0.075	0.50		
			2	1.70	1.10	0.075	0.28		
			1	2.30	2.00	0.075	0.35		
			2	0.80	1.00	0.075	0.12		
			1	1.60	1.80	0.075	0.22		
			1	2.50	5.50	0.075	1.03		
	for pathway		1	31.00	2.20	0.100	6.82		
	for sump tank		1	2.00	2.00	0.100	0.40		
							11.89	4690.50	55778.00
12	Providing and constructing granite / trap/ basalt size stone masonry in foundation with cement mortar 1:6, stone hammer dressed in courses not less than 20 cms high, bond stones at 2 m apart in each course including cost of all materials, labour, curing complete as per specifications. As per PWD SR of Bangalore Circle for 2013-14 including all lead and lift as directed by Engineer incharge. P. No. 25, I 5.6								55770.00
	BR+6%	3287.00	197.22	3484.22	Sqm				
	for tank wall		4	2.00	0.60	0.800	3.84		
							3.84	3484.22	13379.00
13	Providing and constructing burnt brick masonary for basement and superstructure with approved quality on non modular bricks of standard siz of class designation 35 with cement mortar 1:6 including cost of materials labour charges, scaffolding, curing complete as per specification. P.No 30, I No. 6.3								
	BR+6%	4733.00	283.98	5016.98	Sqm				
	for sump tank		4	1.80	0.23	2.50	4.14		
	center partition wall		1	1.80	0.10	1.90	0.34		
			1	2.20	0.23	2.00	1.01		
	bath room partion wall		2	1.60	0.10	2.00	0.64		
			1	1.60	0.10	2.00	0.32		
			8	0.30	0.23	2.00	1.10		
			4	0.60	0.10	1.90	0.46		
			4	0.60	0.10	2.00	0.48		
	for tank wall		4	1.20	0.23	3.00	3.31		
							11.81	5016.98	59230.00

59,251.00

	Providing colour glazed tiles all sizes 10mm thick for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment , including cost of materials, labour, curing, complete as per specifications. P.115,I.14.33								
	BR+6%	833.00	49.98	882.98	Sqm				
	For Opp to Rock Garden Toilet. Flooring		1	2.80	2.40		6.72		
			2	1.70	1.10		3.74		
			1	2.35	2.00		4.70		
			2	0.80	1.00		1.60		
			1	2.00	1.70		3.40		
			1	5.20	1.70		8.84		
	For Main Gate Toilet.		1	2.80	2.40		6.72		
			2	1.70	1.10		3.74		
			1	2.30	2.00		4.60		
			2	0.80	1.00		1.60		
			1	1.60	1.80		2.88		
			1	2.50	5.50		13.75		
							62.29	882.98	55001.00
15	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. P.116,I.14.41.1								
	BR+6%	874.00	52.44	926.44	Sqm				
	Opp Rock garden		2	22.15		1.90	84.17		
	Partion wall		1	4.00		1.90	7.60		
	Near main gate		2	22.15		2.10	93.03		
	Partion wall		1	5.00		2.10	10.50		
							195.30	926.44	180934.00
16	Fixing of door frame in an exisitng opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfasts in cement concrete 1:3:6 of 20mm and down size grantie metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50m.including cost of materials, labour charges, complete as per specifications. P.62,I.9.80								
	BR+6%	871.00	52.26	923.26	Sqm				
		Nos	8	--	--	--	8	923.26	7386.00
17	SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges.P.63,I.9.83								
	BR+6%	3154.00	189.24	3343.24	Sqm				

Doors		8	0.75	--	1.85	11.10	3343.24	37110.00
SSR3 15-3.14: Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherver required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No.123, I.No.15.22								
BR+6%	140.00	8.40	148.40	Sqm				
ceiling		2	6.00	3.00	--	36.00		
tank wall		4	2.70	3.00		32.40		
sump tank		4	1.80	2.50		18.00		
						86.40	148.40	12822.00
19 Removing white wash or colour wash by steel brushing and / or scraping, sand papering and preparing wall surface smooth including repairs to scraches, cost of labour, complete as per specifications. P.No.137, I.No.16.1								
BR+6%	4.20	0.25	4.45	Sqm				
Inside opp Rock Garden		2	4.00	3.20		25.60		
		2	3.60	4.00		28.80		
		2	2.10	1.90		7.98		
	2	2	1.50	2.50		15.00		
	2	1	1.00	2.00		4.00		
	2	1	2.00	2.00		8.00		
	2	2	1.50	4.20		25.20		
	2	1	2.45	2.50		12.25		
	2	1	2.45	1.00		4.90		
		1	6.00	3.00		18.00		
Outside		2	1.70	2.00		6.80		
		2	3.30	3.50		23.10		
		2	5.50	3.00		33.00		
		2	5.00	3.50		35.00		
		2	2.60	3.00		15.60		
Inside Near main gate		2	4.00	3.20		25.60		
		2	3.60	4.00		28.80		
		2	2.10	1.90		7.98		
	2	2	1.50	2.50		15.00		
	2	1	1.00	2.00		4.00		
	2	1	2.00	2.00		8.00		
	2	2	1.50	4.20		25.20		
	2	1	2.45	2.50		12.25		
	2	1	2.45	1.00		4.90		
		1	6.00	3.00		18.00		
Outside		2	1.70	2.00		6.80		
		2	3.30	3.50		23.10		
		2	5.50	3.00		33.00		
		2	5.00	3.50		35.00		
		2	2.60	3.00		15.60		
tank wall		4	2.70	3.00		32.40		
						558.86	4.45	2488.00

	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 150x150x500 mm and finished with CM 1:3 plasting and finishing cutting etc., complete size:0.50x0.15x0.45 and as per the direction of the engineer in charge of the work P.No. 28 Item No. 5.305.29								
	BR+6%	283.00	16.98	299.98	Nos				
		Nos	2	31.00	--	--	62.00		
							137.78	299.98	41331.00
21	KSRB 15-16.1: Providing and finishing external walls in two coats with water proof cement paint of approved brand and shade to give and even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (with primer) P.No.127, I.No.15.53.2								
	BR+6%	74.00	4.44	78.44	Sqm				
			2	31.00	--	0.45	27.90		
	Quantity same as External	Sqm					558.86		
							586.76	78.44	46025.00
22	Providing and applying apex Painting in two coats (including priming coat) over concrete / masonery / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. and as per the direction of the engineer in charge of work as per Data Rate to be Approved								
	data rate = 165.00	Sqm							
	Rock gareden						700.00		
	Quantity same as Internal	Sqm	--	--	--	--	558.86		
							1258.86	165.00	207712.00
23	KSRB 15-18.2: Providing and applying enamel metal paint two coats (Excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materails, labour, complete as per specifications. P.No.130, I.No.15.74								
	BR+6%	72.00	4.32	76.32	Sqm				
	Rock garden		1	1.65	--	2.00	3.30		
	Grill		1	2.60		1.70	4.42		
			1	1.70		2.00	3.40		
	Main gate		1	2.00	--	2.00	4.00		
	Grill		1	2.60		2.50	6.50		
			1	2.50		2.00	5.00		
	till roof		4	4.00		2.40	38.40		
	Kerb		2	31.00	--	0.45	27.90		
							92.92	76.32	7092.00
24	KSRB 8.6-6: Providing and fixing on wall surface 2.5kg/sq.cm H.D.P.E. rain down water pipes 110mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clapms, wall plugs, screws, including cost of materials, labour, curing complete as per specifications. (P.No.52, I.No.8.17								
	BR+6%	472.00	28.32	500.32	Rmt				
		Rmt	4	--	--	2.80	11.20	500.32	5604.00

		7607.00	456.42	8063.42	Nos				
		Nos	10	--	--	--	10	8063.42	80634.00
	KSRB 12-8.1 : Constructing brick masonry inspection chamber 450x450mm and ---mm depth, (clear inside dimension) for single pipeline, using table moulded ---modular bricks of class designation 50 in cement mortar 1:5, C.I cover with ---e light duty)450x450mm internal dimensions, total weight of cover with frame ---be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. --- slab with cement concrete 1:2:4 mix 20mm and downsize granite metal , ---undation concrete 1:5:10 with 40mm and downsize granite metal inside ---plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of ---cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. ---KBS. (P.No.74, I.No.11.50.2								
	BR+6%	5875.00	352.50	6227.50	Nos				
		Nos	1	--	--	--	1	6227.50	6228.00
30	Providing and fixing white vitreous china clay, surgeon type wash basin size 660x460mm with a pair of 15mm C.P brass pillar taps with pair of elbow operated levers, C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.(P.No.83, I.No.12.30								
	BR+6%	4265.00	255.90	4520.90	Unit				
			8	--	--	--	8	4520.90	36167.00
31	KSRB 11.3: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (P.No.78, I.No.12.2								
	BR+6%	4190.00	251.40	4441.40	Pan				
			8	--	--	--	8	4441.40	35531.00
32	KSRB 11.7.1:Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350 mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P brass spreaders with brass unions and G.I. Clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complere as per specifications. Specifications No. KBS 11 (P.No.80, I.No.12.7								
	BR+6%	2736.00	164.16	2900.16	Unit				
		Unit	6	--	--	--	6	2900.16	17401.00
33	Providing and fixing white vitreous china clay, flat back or half stall urinal basin of size 580x380x350mm with 5 litres P.V.C automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps C.I dtrap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (P.No.81, I.No.12.15								
	BR+6%	4685.00	281.10	4966.10	Unit				
		Unit	6	--	--	--	6	4966.10	29797.00

	KSRB 10-3: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20 mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement slurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications (P.No.69, I.No.10.2 .								
	BR+6%	735.00	44.10	779.10	Sqm				
		Sqm							
	Roof Slab		2	6.00	3.00	--	36.00	779.10	28048.00
26	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specificifictions. (P.No.6, I.No.2.11								
	BR+6%	56.00	3.36	59.36	Cum				
							48.11	59.36	2856.00
27	KSRB 12-1.1 : Providing and laying in position to required level or slope 150mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost of materials, labour charges complete as per specification. specification No.KBS 12.2.5/12.7 (P.No.72, I.No.11.2								
	BR+6%	327.00	19.62	346.62	mtr				
	Rock Garden		1	75.00			75.00		
	main gate toilet		1	44.00			44.00		
						--	119.00	346.62	41248.00
28	KSRB 12-8.1 : Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 600x600mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal , foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS (P.No.74, I.No.11.50.1								

	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. (P.No.91, I.No.12.111	Each	30	--	--	--	30	169.60	5088.00
	BR+6%	160.00	9.60	169.60	Each				
35	Providing stoneware gully trap of approved quality and make fixing in CC 1:2:4 and plastering with CM 1:3 wherever necessary.(Rate includes cost of all materials, fixtures and lead). - Providing stoneware gully trap of approved quality and make fixing in CC 1:2:4 and plastering with CM 1:3 wherever necessary.(Rate includes cost of all materials, fixtures and lead).--- 10cms x 10cms (P.No.92, I.No.12.112.1								
	BR+6%	185.00	11.10	196.10	Each				
		Each	8	--	--	--	8	196.10	1569.00
36	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot).--- 10cms x 7.5cms (P.No.92, I.No.12.113.1								
	BR+6%	250.00	15.00	265.00	Each				
		Each	8	--	--	--	8	265.00	2120.00
37	KSRB13-3.2 Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 20mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14/13.6 (P.No.94, I.No.13.11								
	BR+6%	250.00	15.00	265.00	mtr				
		M	2	9.00	--	--	18.00		
			2	9			18.00		
							36.00	265.00	9540.00
38	KSRB13-3.4 Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 32mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14/13.6 (P.No.95, I.No.13.13								
	BR+6%	298.00	17.88	315.88	mtr				
		M	1	10.00	--	--	10.00	315.88	3159.00
39	KSRB13-6.1-2 Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (P.No.96, I.No.13.24								
	BR+6%	241.00	14.46	255.46	mtr				
		Each	10	--	--	--	10	255.46	2555.00

	KSRB13-8.1 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 20mm outside diameter, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM of equipments and testing,excluding cost of fittings, complete as per specifications. Specification No.KBS 13.2.15.1/13.9 (P.No.101, I.No.13.66								
	BR+6%	241.00	14.46	255.46	mtr				
		M	4	12.00	--	--	48.00	255.46	12262.00
41	KSRB13-8.3 Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 32mm outside diameter, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM of equipments and testing,excluding cost of fittings, complete as per specifications. Specification No.KBS 13.2.15.1/13.9 (P.No.101, I.No.13.68								
	BR+6%	176.00	10.56	186.56	mtr				
		M	4	7.00	--	--	28.00	186.56	5224.00
42	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specification.(For 1000 litre capacity) Specification No.13.22 (P.No.103, I.No.13.78								
	BR+6%	8332.00	499.92	8831.92	mtr				
		Nos	1	--	--	--	1	8831.92	8832.00
43	Providing Precast, Urcon Tiles, Red colour for FootPath 20mm thick using Marble chips at 7-10 nominal size laid on bed CM 1:3 mix & jointed with red oxide cement. Slurry mixed pigment to match the shade of tiles. Rubbing, polishing oxalic acid wash, wax polish, including cost of all materials and labour as per Data Rate approved								
		smt	1	31.00	2.20	--	68.20		
	near main gate toilet entrance		1	4.65	1.60		7.44		
	step		2	3.25	0.30		1.95		
							77.59	1250.00	96988.00
44	Specifacation :Fabricating, Supplying and erecting to Plumb and line, Stainless steel pipe railings as per approvid drawings using 75mm square 14 gauge pipe for verticals and neatly grinded. SS cups on either S.S pipe welded to the square Pipe. Two plates 10mm thick welded at bottom for base grip. All the joist welding including grinding, Finishing, matel patty and painting two coats of Fountion of size 0.30x0.30x0.60 and filling with C.C 1:2:4. The sets are inclusive of all materials, job work, Loding unloding etc., complete. The work should be carried as per the drawing and directions of the Enginee-in-Charge of the work. (with Available SS Pipes) as Per Data Rate to be approved								
	side railing for toilet main gate		2	5.80			11.60		
	Missing		11	2.00			22.00		
							33.60	4600.00	154560.00
45	1 hp submersible motor Suguna xxxxiv Item No.01								
		No	1				1.00	15297.50	15298.00

	Providing and fixing Concrete hand railings with artistick design made up of sadarahalli granite pillar of size 150mm x 150mm of size railing of wood 100mm size cost of matrials, labour including fixing etc complete Data Rate.3500.00 D.R Required								
		Rmtr	2	7.60			15.20		
			1	3.80			3.80		
			1	2.80			2.80		
			1	9.30			9.30		
			1	9.70			9.70		
							40.80	3500.00	142800.00
47	Providing and fixing Pebble stone to Pathway /Flooring /Wall Cladding On 1:5 Cement Mortar Bed of 50 mm thick. The Pebbles are fixed in Cement Slurry including all Materials loading and unloading, Transportation and all Wastages, all Labour Charges Curing, finishing HOM of machinery complete as per specifications								
		Sqm	1	15.00	2.00		30.00	2120.00	63600.00
48	Providing Repairs to old Statues like Small Rock fountain and dolls of small to medium size for damaged surface Smooth finishing. Painting over smooth surface with primer coat and putty two coats and above this surface three coats of plastic emulsion painting to be done as per Artist design and finishing, including all materials, labour, transpo rtation taxes, etc., complete. complete. Data Rate.6000 D.R Required								
		No	22				22	6000.00	132000.00
49	Providing and fixing granite flooring in combination of 19mm thick (Avg) gang saw water cut LAKARED granite with 86% and with 14% of 19mm thicl (avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification Pg No.118 It No.14.58								
	BR+6%	4892.00	293.52	5185.52	Sqm				
	Rock garden	Sqm	4	1.50	1.00		6.00		
			8	1.00	1.20		9.60		
			4	2.00	2.50		20.00		
			10	0.75	0.90		6.75		
			25	0.60	0.75		11.25		
			4	1.30	1.30		6.76		
							60.36	5185.52	312998.00
50	RCC Hut With Artistic Design Data Rate to be Approved D.R Required								
		No	1				1.00	130000.00	130000.00
51	Providing and fixing 1500x450mm dia rectangularshape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. Pg No.85 It								
	BR+6%	1690.00	101.40	1791.40	Unit				
			2				2.00	1791.40	3583.00
52	Cost of howlage excluding loading, unloading surface road up to 5kms . Loading and unloading charges PWD(BC) Item No.17.10 Page No 118								
	62.20+25.60	Cum	62.20	25.60	87.80				
		189.38				0.20	37.88		
							81.21		
							119.09	87.80	10456.00
								Toatl Rs.	2271972.00
53	Add 10% KRIDL Charges								227197.00

Escellenious charges				111.00
			TOTA	2500000.00

(Rupees: Twenty Five Lakhs Only)

CERTIFICATE:

1] This work comes under B.M.P.Limits

2] This Removing Debris up to 10 km lead and lift

3] The Provisions made in the Estimate are necessary and minimum.

4] The Estimate is based on the C.S.R. of 203-14. and Data approved rates.

AE/~~JE~~
Rajarajeswarinagar
B.B.M.P.

AsstExecutive Engineer(P)
Rajarajeswarinagar
B.B.M.P.

Executive Engineer(P)
Rajarajeswarinagar
B.B.M.P.

ADMINISTRATIVE APPROVED

Rs : 25,00,000/- (Twenty Five lakh only) is accorded under the head : P-0190

By AC (R.R.N.) : Sl No. 2846

Vide Register Page No. 52-53 subject to conditions contained in enclosed memo No. : AS/2246/13-14 Date : 13/02/14

TA, AC (R.R.N.)

TECHNICAL SANCTION

Rs: 22,71,972-00 (Twenty two lakh seventy one thousand nine seventy two) is accorded under the head: P-0190

By CE(R.R.N.): SL-No 598

Registered as CE (R.R.N) No: 156-152 subject to conditions contained in enclosed memo No: TS/598/12-13 Date: 22/2/14

TA, CE (R.R.N.)